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PATENT

Response under 37 CFR § 1.116

--EXPEDITED PROCEDURE--

Examining Group 1600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Sorge, et al.

Serial No.: 09/338,855

Filed: June 23, 1999

Entitled: "Methods of Enriching for and  
Identifying Polymorphisms"

Examiner: Chakrabarti, A.

Group Art Unit: 1655

Atty. Docket No.: 25436/1150

Box AF

Commissioner for Patents

Washington, D.C. 20231

RESPONSE AFTER FINAL UNDER 37 C.F.R. §1.116

Dear Sir:

This is filed in response to the Final Office Action mailed in the above-noted U.S. patent application on September 6, 2001. Kindly consider the following remarks and proposed amendments.

In the Claims:

57. (Twice amended) A method of enriching for and identifying nucleic acid sequence differences with respect to a reference sequence comprising:

- a) fragmenting a nucleic acid sample from one or more individuals;
- b) physically separating a subset of said nucleic acid fragments based on the size of the fragments;
- c) operatively linking a fragment created in step (a) or said subset of step (b) with an oligonucleotide or a vector;
- d) replicating said operatively linked subset to form an enriched collection of replicated molecules; and